

Table 9 - Risk of HIV transmission per exposure where source is known to be living with HIV and not on ART

(Adapted from BASHH UK Guideline for use of HIV PEPSE 2021– source references omitted from table)

Type of exposure	Estimated risk of HIV transmission per exposure where source is known to be living with HIV and not on ART
Receptive anal Intercourse	1 in 90
Receptive anal intercourse with ejaculation	1 in 65
Receptive anal intercourse no ejaculation	1 in 170
Insertive anal Intercourse	1 in 666
Insertive anal intercourse not circumcised	1 in 161
Insertive anal intercourse and circumcised	1 in 909
Receptive vaginal Intercourse	1 in 1000
Insertive vaginal Intercourse	1 in 1,219
Semen splash to eye	<1 in 10,000
Receptive oral sex (giving fellatio)	<1 in 10,000
Insertive oral sex (receiving fellatio)	<1 in 10,000
Mucocutaneous	1 in 1000
Blood transfusion (one unit)	1 in 1
Needlestick injury	1 in 333
Sharing injecting equipment (includes chemsex)	1 in 149
Human bite	<1 in 10,000
*These figures are estimates that have been deduced from cohort and modelling studies	

NB: All sexually related risk probabilities are for unprotected sexual exposure; It is assumed similar risks will exist where condom failure has occurred